

AUTHORS:

Stepanov, B. I., Salivon, M. A.,  
Lagidze, V. F., Dedyukhina, L. A.

SOV/79-28-7-42/64

TITLE:

On the Substitution of the Halogen in Azo Compounds (O zameshch-  
enii galogena v azosoyedineniyakh) I. The Substitution  
of Chlorine in 2-Chlorobenzeneazo-2'-Naphthene by the Alkoxy  
Group (I. Zmena khloro v 2-khlorbenzolazo-2'-naftole na  
alkoksigruppy)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 7,  
pp. 1915 - 1921 (USSR)

ABSTRACT:

The substitution of the aromatically bound halogen atom by  
other substituents encounters much more difficulties than  
similar reactions in the aliphatic series. Only the activating  
influence from behalf of the electrophile substituent as well  
as the catalytic effect of copper and its compounds make it  
possible to carry out the substitution reactions at temper-  
atures below 200°. With regard to the theoretical importance  
of the problem concerning the reasons of the anomalous mobility  
of the atomic halogen in the ortho position to the azo group

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On the Substitution of the Halogen in Azo Compounds. SOV/79-28-7-42/64  
I. The Substitution of Chlorine in 2-Chlorobenzeneazo-2'-Naphthene by the  
Alkoxy Group

the preparative possibilities of the reactions mentioned in references 2 to 12 in the case of slight reduction cleavage of the azo dyes formed were of interest to the authors, especially since this problem has been touched only in patent literature hitherto. 2-chlorobenzeneazo-2'-naphthene, i.e., the azo dye of 2-chloroaniline and 2-naphthene was used as initial substance. The substitution of the chlorine atom by the alkoxy groups with the methyl-, ethyl-, n-butyl-, isoamyl-, n-hexyl, n-octyl- and n-octadecyl radicals was obtained by the conversion of the sodium alcoholates with this dye. It was shown that the substitution in the given o-halogen-o'-oxyazo dye in the presence of copper salt takes place on mild conditions. Some of the synthesized dyes may be used in the dyeing of acetate- and polyamide fibers according to the suspension method. There are 17 references, 11 of which are Soviet.

Card 2/3

On the Substitution of the Halogen in Azo Compounds. SOV/79-28-7-42/64  
I. The Substitution of Chlorine in 2-Chlorobenzeneazo-2'-Naphthene by the  
Alkoxy Group

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut imeni D.I.  
Mendeleyeva (Moscow Chemical and Technical Institute imeni D.I.  
Mendeleyev)

SUBMITTED: July 10, 1957

1. Thionaphthenes--Chemical reactions 2. Alkoxy radicals--Chemical  
reactions 3. Substitution reactions--Analysis 4. Copper--Catalytic  
properties 5. Dyes--Synthesis

Card 3/3

S/120/62/000/004/005/047  
E194/E420

AUTHORS: Kleopov, I.F., Lagin, S.P., Okorokov, I.S.,  
Lazarev, N.V.

TITLE: Operation of the supply system for a proton  
synchrotron of 7 Gev during the starting period

PERIODICAL: Priory i tekhnika eksperimenta, no.4, 1962, 33-36

TEXT: The article describes early operating experience with the magnet supply system, the performance and construction of which are described in the present journal (27-33 - preceding abstract). The equipment usually works continuously for up to 5 days per week followed by a regular weekly shut-down. In 6 months it has operated for a total of 2200 hours. The faults that have occurred resulted only from defects in the control circuits, mainly in the ignitron firing control arrangements. A few backfires occurred because the valve temperature conditions were not right, most backfires occurred under inverter conditions for which the best lead angle was about  $40^\circ$ . The different kinds of fault, their causes and the steps that were taken to put them right are described. The stabilization of the primary rectified voltage is described and the operation of the control

Card 1/2

Operation of the supply system ...

S/120/62/000/004/005/047  
E194/E420

reactors which govern the transition from rectifier to inverter conditions is examined. Performance of the equipment is illustrated by oscillograms. There are 5 figures.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki  
GKAE (Institute of Theoretical and Experimental  
Physics GKAE)

SUBMITTED: April 11, 1962

Card 2/2

LAGIN, T.; PASTUSHENKO, M.

Development of the economy and foreign trade of Canada in 1955,  
[with summary in English]. Vnesh.torg 26 no.9:8-12 S '56.  
(Canada--Commerce) (MLRA 9:10)

1. LAGINOVA, N.; LOPYRIN, A.
2. USSR (600)
4. Sheep Breeding.
7. Methods for increasing multiple births in sheep. Kolkh. proizv. 12, No. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress. January 1953. Unclassified.

LAGIREV, S. I. (Vet.)

"Pathologo-anatomical changes in sheep, reacting to the intracutanecus tuberculinization."

SO: Veterinariya 28 (6), 1951, p. 55

City of Gadiach, Poltava Oblast.



LAGITSKIY, V.I.

42317. LAGITSKIY, V.I.- Fakel'nyy sposob razlivk: stali. Nauch. trudy (Dnepropetr. metallurg. in-t im. Stalina), VYP 14, 1948, s 29-43.

SO: Letopis'Zhurnal'nykh Statey, Vol. 47, 1948.

LAG-NO, N.M.

USSR/Virology. Viruses of Man and Animals

E

Abstr. Jour : Ref Zhur-Biol., No 13, 1959, 57379

Author : Strigin V. A., Bychkova V. M., <sup>Ushakova</sup>  
Golovina A. P., Zaynutdinova L. Kh., Lagova N. M.,  
~~ZEMUK Z. A., Prutkovskaya N. T., Sushkova P. S.~~

Inst : Ufa Scientific-Research Institute of Vaccines  
and Sera

Title : Experimental Study of the Epidemiological Effectiveness of Antiinfluenza Vaccination

Orig Pub : Tr. Ufansk. n.-i. in-ta vaktsin i sывороток,  
1957, vyp. 4, 205-209

Abstract : Five thousand nine hundred twenty-three persons were vaccinated with dry live vaccine ("SK") of the Moscow Scientific-Research Institute of Vaccines and Sera Igmeni Mechnikov (455% in the non-vaccinated group). The vaccine lowered disease

Card 1/2

Abstract : incidence by no less than 2.5 times. The reactogenesis was inconsiderable. One series of vaccines was found to be ineffective.

Card 2/2

LAGNO, Z. Ya.

"The Effect of Asarum europaeum on the Cardiovascular System. (Experimental Investigation.)" Cand Med Sci, Bashkir State Medical Inst imeni 15-year VSKSM, Ufa, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

ABDULLINA, R.N.; LAGNO, Z.Ya. (Ufa)

Effect of pentoxyl and thesane on peripheral blood picture in radiation sickness. Pat.fiziol. i eksper.terap. 2 no.1:39-44 Ja-F '58. (MIRA 12:9)

1. Iz kafedry farmakologii (zav. - dots. D.N.Lazareva) Bashkirskogo meditsinskogo instituta.

(URACIL, rel. cpds.

5-hydroxymethyl-4-methyluracil, on leukopenia induced by radiocobalt (Rus))

(LEUKOCYTE COUNT,

leukopenia, eff. of 5-hydroxymethyl-4-methyluracil & thesane in radiocobalt irradiated animals (Rus))

(COBALT, radioactive,

inducing leukopenia, eff. of 5-hydroxymethyl-4-methyluracil & thesane in animals (Rus))

T

Country : HUNGARY  
Category: Human and Animal Physiology. Blood.  
Hemopoiesis.

Abs Jour: RZhBiol., No. 19, 1958, 88640

Author : Lagnov, S.; Dumitrescu, M.  
Inst : Hungarian Academy of Sciences  
Title : New Methods of Study of Erythropoiesis. Their Clinical  
and Therapeutic Significance.

Orig Pub: Acta med. Acad. sci. hung., 1957, 10, No. 3, 193-  
204

Abstract: Six basic categories of erythroblast nuclei  
were established in healthy subjects by mea-  
surements of the nuclear diameter. On the basis  
of these data a karyometric curve of erythropoie-  
sis was established. The ratio of the number of

Card : 1/3

T-14

Country : HUNGARY

Category: Human and Animal Physiology..Blood. Hemopoiesis.

Abs Jour: RZhBiol., No. 19, 1958, 88640

T

the nuclei of the preceding category (mass Q) to the number of nuclei of the succeeding category (output E) constitutes a definite value in the zones of the karyometric curve and represents, itself, an index of mitosis-time, characterizing its activity. The mitosis-time is shortened in mitogenetic hyperfunction during the prometaphase or anatelophase. In hypofunction, the time between mitoses or the mitosis-time increases. Three categories of disorders of the erythropoietic function of the bone marrow were established on the basis of studies of erythropoiesis in 200 patients with anemias of various etiologies; an elevated mitogenetic output due to decrease of mitosis-time in the prometaphase or anatelophase, a decreased mitogenetic output due to a prolongation of the

Card : 2/3

Country : HUNGARY

Category: Human and Animal Physiology. Blood. Hemopoiesis.

T

Abs Jour: RZhBiol., No 19, 1958, 88640

interval between mitoses or due to a lengthening of mitosis-time, resulting from atypical division, an increase of the number of nuclear categories (8-9) and a decrease of the mitogenetic output. The karyometric curves have different configurations depending upon the pathological disorder of the erythropoietic function of the bone marrow. --  
L.P. Naumova.

Card : 3/3

T-15

RUMANIA / Human and Animal Morphology (Normal and Pathological). S  
Circulatory System. Blood Vessels.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2973

Author : Lagnov, Z.; Georgescu, R.; Andronescu, P.

Inst : Not given

Title : Vascular Architecture of the Peripheral Nerves.  
Experimental Study

Orig Pub : Morfol. normala si patol., 1958, 3, No 1, 29-35

Abstract : The authors describe the vascular architecture of the  
peripheral nerve with occurring vascular changes with  
nerve injury. Peri and intratruncular vascular  
formations are described. Changes of the vessel in the  
process of nerve regeneration following its transection  
are described.

Card 1/1



LAGO, Mario

The struggle and achievements of radio and television workers.  
Vsem. prof. dvizh. no.1:15-17 Ja '63. (MIRA 16:3)

1. Aktivist professional'nogo soyuza rabotnikov radioveshchaniya  
shtata Guanabara, Braziliya.  
(Brazil—Strikes and lockouts—Radiobroadcasting)

LAGO, O.M., dotsent

Monocytogram in children with hypotrophy. Pediatria no.6:25-28  
Je '57. (MIRA 10:10)

1. Iz kafedry detskikh bolezney (zav. - prof. B.P.Apollonov)  
pediatricheskogo fakul'teta Ivanovskogo meditsinskogo instituta  
(LEUCOCYTES)

LAGO, O.M., dots., TUR, A.F., prof., konsul'tant

Monocytic reaction in children in certain diseases [with summary  
in English]. *Pediatrica* 36 no.9:70-76 D '58 (MIRA 11:11)

1. Iz kafedry detskikh bolezney pediatricheskogo fakul'teta  
(zav. - prof. B.P. Apollonov) Ivanovskogo meditsinskogo instituta  
(dir. - dotsent Ya.M. Romanov). 2. Deystvitel'nyy chlen AMN SSSR  
(for Tur).

(MONOCYTES,

monocytogram in child. in various dis. (Rus))

LAGO, O.M., dotsent

Amount of iron, copper, nickel, manganese, and cobalt in  
children with blood diseases. *Pediatrics* no.7:3-8 '61.

(MIRA 14:9)

1. Iz kafedry gosspital'noy i fakul'tetskoy pediatrii (zav. -  
prof. B.P. Apollonov) i kafedry obshchey khimii (zav. - dotsent  
N.M. Chistyakov) Ivanovskogo meditsinskogo instituta (dir. -  
dotsent Ya.M. Romanov). Konsul'tanty raboty: deystvitel'nyy  
chlen AMN SSSR prof. A.F. Tur i prof. S.S. Poltyrev.

(MINERALS IN THE BODY) (BLOOD--DISEASES)

LAGO, O.M., dotsent

Iron and copper content in the blood of children with anemias.  
Sev.med. 26 no.10:76-82 0 '62. (MIRA 15:12)

1. Iz kafedry gosspital'noy i fakul'tetskey pediatrii (zav.  
kafedroy - prof. B.P.Apollonov) i kafedry obshchey khimii (zav.  
kafedroy - dotsent N.M.Chistyakov) Ivanovskogo meditsinskogo  
instituta (dir. - dotsent Ya.M.Romanov); konsul'tanty  
deystvitel'nyy chlen AMN SSSR A.F.Tur, prof. S.S.Paltyrev.  
(ANEMIA) (IRON IN THE BODY)(COPPER IN THE BODY)

LAGO, O.M., dotsent

Some trace elements and blood proteins in children with acute  
leukemia. Problemy gemat. i perel. krovi 8 no.8:37-41 Ag '63.  
(MIRA 17:8)

1. Iz kafedry fakul'tetskoy pediatrii (zav. - dotsent O.M.  
Lago) i kafedry obshchey khimii (zav. - dotsent N.M. Chistyakov)  
Ivanovskogo meditsinskogo instituta.

PAPIN, A.A., student VI kursa pediatrich. fakul'teta; LAGO, O.M., dotsent, nauchnyy rukovoditel'.

Significance of the examination of protein and lipoprotein fractions of the blood serum in young children with pneumonia.  
Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:49-54 ' 63.

(MIRA 19:1)

1. Iz kafedry propedevticheskoy i fakul'tetskoy pediatrii (zav. kafedroy - dotsent O.M. Lago) i kafedry obshchey khimii (zav. kafedroy - dotsent N.M. Chistyakov) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

LAGO, O.M., dotsent; TUR, A.F., prof., konsul'tant; POLTYREV, S.S., prof.  
konsul'tant

Therapeutic nutrition in anemias in children. Sbor. nauch. trud.  
Ivan. gos. med. inst. no.28:80-84 '63. (MIRA 19:1)

1. Iz kafedry fakul'tetskoy pediatrii (zav. - dotsent O.M. Lago)  
i kafedry neorganicheskoy khimii (zav. - dotsent N.M. Chistyakov)  
Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor -  
dotsent Ya.M. Romanov). 2. Deystvitel'nyy chlen AMN SSSR (for Tur).



LAGO, O.M., dotsent; POLETYREV, S.S., prof., konsul'tant raboty

Study of some trace elements and blood protein fractions in  
puppies with alimentary anemia. Sbor. nauch. trud. Ivan. gos.  
med. inst. no. 28:85-92 ' 63 (MIRA 19:1)

1. Iz kafedry fakul'tetskoy pediatrii (zav. - dotsent O.M. Lago)  
i kafedry obshchey khimii (zav. - dotsent N.M. Chistyakov)  
Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor -  
dotsent Ya.M. Romanov).

LAGO, V.

Stationary uneven continuously changing movement of water in open channels.

p. 209 (Vodohospodarsky Casopis. Vol. 5, no. 3, 1957. Bratislava, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2,  
February 1958

RYABCHUK, V., agronom po zashchite rasteniy (Tarashchanskiy rayon, Kiyevskoy oblast); BURLAKOV, A.; SHUSTOV, I.; LAGODINSKIY, Yu., nauchnyy sotrudnik

Readers' letters. Zashch.rast.ot vred.i bol. 10 no.4:17 '65.

(MIRA 18:6)

1. Glavnyy agronom po zashchite rasteniy, Kyzyluskiy rayon, Kokchetavskoy oblasti (for Burlakov). 2. Nachal'nik Odesskoy stantsii zashchity rasteniy (for Shustov). 3. Ukrainskiy nauchno-issledovatel'skiy institut zashchity rasteniy (for Lagodinskiy).

SKRYABIN, K.I., akademik; SHIKHOBALOVA, N.P.; LAGODOVSKAYA, Ye.A.;  
IVASHKIN, V.M., red.izd-va; MAKUNI, Ye.V., tekhn.red.

[Oxyurata of animals and man] Oksiuraty zhivotnykh i  
cheloveka. Moskva, Izd-vo Akad.nauk SSSR, 1961. 499 p.  
(Akademia nauk SSSR. Gel'mintologicheskaya laboratoriya.  
Osnovy nematodologii, vol.10)  
(Oxyuroidea)

SKRYABIN, Konstantin Ivanovich, akademik; SHIKHOBALOVA, Nadezhda Pavlovna;  
LAGODOVSKAYA, Yelena Arkad'yevna

[Oxyurata of animals and man.] Oksiuraty zhivotny' i cheloveka.  
Moskva, Nauka. Pt.3 1964. 466p. (Akademiia nauk SSSR. Gel'-  
mintologicheskaiia laboratoria. Osnovy nematodologii, vol.13)  
(MIRA 18:4)

LACODYUK, P.Z., GZHITSKY, S.~~Z~~, SKOROKHOD, V.I., DOVGAN, N. YA., ROZGONE, I.I.,  
VRYDNYK, F.I. (USSR)

"The conditions of Maintaining the Chemical Medium in the  
Rumen in Ruminats."

Report presented at the 5th Int'l. Biochemistry Congress,  
Moscow, 10-16 Aug 1961.

LAGODZIEC, Wladyslaw, inz.

Some remarks on health resorts. Gosp wodna 23 no.4:150-151 Ap '63.

L 21561-66 EMT(m)/FWD(j)/T VM/JW/JWD/RM  
ACC NR: AP6009805 SOURCE CODE: UR/0062/66/000/002/0386/0386

AUTHOR: Mikhaylov, B. M.; Bogdanov, V. S.; Lagodzinskaya, G. V.; Pozdnev, V. P. 36

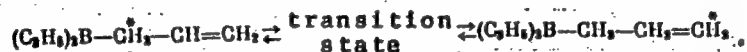
ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences SSSR (Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Allylic rearrangement in triallylboron 112

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 386

TOPIC TAGS: organoboron compound, allyl compound, isomerization

ABSTRACT: The study of triallylboron by means of NMR spectra led to the discovery of allylic rearrangement in this compound. This rearrangement is shown as follows:



The rate of this rearrangement varies with temperature: from 4.7 cps at -25C to 3.3 cps at 88C. The lifetime for each state in this temperature range varies from  $2 \cdot 10^{-11}$  to  $3 \cdot 10^{-11}$  sec. The calculated activation energy of the process is 11 kcal/M. The authors intend to continue their studies of boron allylic compounds. Orig. art. has: 1 formula. [EW]

SUB CODE: 07/ SUMB DATE: 24Nov65/ ATD PRESS: 4219  
Card 1/1 VLR



L 36517-00 ENI(M)/ENP(J) May 5/7/86

ACC NR: AP6017885

SOURCE CODE: UR/0062/66/000/005/0944/0945

AUTHOR: Bogdanov, V. S.; Lagodzinskaya, G. V.; Pozdnev, V. F.; Mikhaylov, B. M.

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences, SSSR  
(Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Allyl rearrangement in allylboracyclopentane and triallylborane-pyridine

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 944-945

TOPIC TAGS: organoboron compound, NMR spectrum

ABSTRACT: The NMR spectra (60Mc) of allylboracyclopentane  $[(CH_2)_4BC_3H_5]$ , dimethyl allylboronate  $[(C_3H_5B(OCH_3)_2)]$ , allylboronic anhydride  $(C_3H_5BO)$ , diallylboronic anhydride  $[(C_3H_5)_2B]_2$ , allyl borate  $[B(OC_3H_5)_3]$ , triallylborane-pyridine complex  $[(C_3H_5)_3B \cdot NC_5H_5]$ , triallylamine  $[(C_3H_5)_3N]$  and tetraallylsilane  $[(C_3H_5)_4Si]$  were investigated at various temperatures, with hexamethyldisiloxane as the internal standard. The equilibrium exchange of  $CH_2$  groups in the allyl radical was found to occur only in two compounds, i.e., allylboracyclopentane and triallylborane-pyridine. In allylboracyclopentane (as well as triallylborane), the following equilibrium exchange occurs:



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UDC: 542.952.1 + 661.718.4 + 541.67

L 36517-66

ACC NR: AP6017885

but its rate is less rapid than in triallylborane. In the triallylborane-pyridine complex, an  $AX_4$ -type spectrum arises only at about  $160^\circ\text{C}$ , and the rate of exchange is two orders of magnitude smaller than in triallylborane. When the complex is diluted with pyridine, the rate of exchange drops by a factor of approximately 4, which leads to the assumption that the allyl rearrangement occurs at the instant of dissociation of the complex.

SUB CODE: 07/ SUBM DATE: 16Feb66/ ORIG REF: 001

Card

2/2/71 P

1. 57818-65 EWT(m)/EPF(c)/EPR/ESP(j)/T/ENA(c) P-4/Pr-4/Ps-4 RFL  
 BW/JW/JW/JW/RM S/0020/65/161/001/0136/0139 47  
 ACCESSION NR: AP5009225 46  
 AUTHORS: Tartakovskiy, V. A.; Chlenov, I. Ye.; Lagodzinskaya, G. V.; Novikov, S. S.

TITLE: Ortho-ethers of trinitromethane in the reaction of 1,3-dipolar cyclic compounds

SOURCE: AN SSSR. Doklady, v. 161, no. 1, 1965, 136-139

TOPIC TAGS: ether, cyclic compound, IR spectrum, nuclear magnetic resonance

ABSTRACT: The reaction of 1,3-dipolar cyclic compounds were examined as a means to shed light on the possible existence of ortho-ethers of trinitromethane. To synthesize ortho-methyl ether of trinitromethane, the method of ortho-methylation of mononitro compounds of diazomethane (as proposed by Arndt and Rose) was used. Benzene was used as the solvent. Another approach was alkylation of the potassium salt by trialkyloxonium borofluorate in methylene chloride. Structure of the resulting compounds of both methods was evaluated by elemental analysis, determination of molecular weight, and study of IR and nuclear magnetic resonance spectra. The results show that the desired compound was obtained by both methods. The

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1. 55818-65

ACCESSION NR: AP5009225

authors further studied the reaction of the ortho-methyl ether of trinitromethane with unsaturated compounds, and they found that this ether is very active in the reaction of 1,3-dipolar cyclic compounds. Olefins with or without activated double bonds, vinyl ether, cycloenes, and functional olefins may be used in the reaction, but olefins with free amino group are unsatisfactory. A table of reactions, products, compositions, and properties is included. Orig. art. has: 1 figure, 1 table, and 5 formulas.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 24Aug64

ENGL: 00

SUB CODE: OC, NP

NO REF SOV: 002

OTHER: 006

Am  
Card 2/2

YERMOLATOVA, A.A.; LAGODZINSKAYA, N.M.; LOBANOVA, M.I.

New surface-active substances. Nauch.-iss. trudy TSNIKHBI za  
1962 g.:269-281 '64. (MIRA 18:8)

LAGODZINSKI, Z.

"National Exhibition of Inventions and Technological Progress in Breslau." p.518.  
(PREZEGŁAD ELEKTROTECHNICZNY Vol. 30. No. 12, Dec. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EAL). LC. Vol. 4, No. 4.  
April 1955, Uncl.

YAROVY, S.V., veter. vrach; LAGODZINSKIY, I.S., veter. vrach

Surgical treatment of abdominal hernia in cows. Veterinariia  
38 no.7:65-66 JI '61. (MIRA 16:8)

1. Kamenets-Podol'skaya rayonnaya veterinarnaya lachebnitsa,  
Khmel'nitskoy oblasti.  
(Hernia) (Cows--Diseases and pests)

KLYACHKO, N.S.; SHAPOSHNIKOVA, R.P.; MARTYSHEVA, I.N.; GORDEYEVA, L.Ya.;  
LAGONSKAYA, G.V.; PASHINA, I.L.

Results of mass immunization against mumps. Vop. virus. 10  
no.2:209-213 Mr-Apr '65. (MIRA 18:10)

1. Leningradskiy nauchno-issledovatel'skiy institut epidemiologii i  
mikrobiologii imeni Pastera, Pskovskaya oblastnaya i gorodskaya  
sanitarno-epidemiologicheskaya stantsiya i Pskovskaya detskaya poli-  
klinika.



*STERLIGOV, I.*  
STERLIGOV, B., kand. ekon. nauk; LAGOSHA, I., inzh.

Let's improve economic analysis in the designing of machinery, Mias.  
ind. SSSR 28 no.6:44 '57. (MIRA 11:1)  
(Machinery--Design)

LAGOSHA, I., inzh.; STERLIGOV, B., kand. ekon. nauk

FMM-300 sausage mixer and ShMK-2 sausage-casing machine. Mias.  
ind. SSSR 29 no. 4:6-8 '58. (MIRA 11'8)

1. Nauchno-issledovatel'skiy institut prodovol'stvennogo mashino-  
stroyeniya (for Legosha). 2. Moskovskiy tekhnologicheskiy institut  
myasnoy i molochnoy promyshlennost (for Sterligov).

(Packing houses--Equipment and supplies)

LAGOSHA, I., inzh.; STERLIGOV, B., kand.ekon.nauk

Feed mechanism for sausages. Mias. ind. SSSR 29 no.5:18-19 '58.  
(Sausages) (Meat industry--Equipment and supplies)

STERLIGOV, B., kand.ekonom.nauk, LAGOSHA, I., inzh.

GSh-65 hydraulic stuffer needs modernizing. Mias.ind.SSSR 30  
no.6:15 '59. (MIRA 13:4)  
(Sausages)

LAGOSHA, I., inzh.; STERLIGOV, B., kand.ekon.nauk

Improved design of cutting machine. Mas.ind.SSSR 31 no.1:12-13  
'60. (MIRA 13:5)

(Meat cutting)

LAGOSHA, I., inzh.; STERLIGOV, B., kand.ekon.nauk

Sausage industry needs efficient equipment. Mias.ind.SSSR 31  
no.2:10-14 '60. (MIRA 13:8)  
(Sausages)

LAGOSHA, I.A.; KOVALENKO, N.A.; KRIKUNOV, A.Ye., red.;  
SHUVALOVA, N.S., nauchn. red.; KITAINA, L.B., nauchn.  
red.; BOBAKOV, A.N., red.

[Technical equipment for meat combines; catalog] Tekhnologicheskoe oborudovanie miasokombinatov; katalog. Moskva, TsINTIAM, 1963. 138 p. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy i eksperimental'no-konstruktorskiy institut prodovol'stvennogo mashinostroyeniya (for Lagosha, Kovalenko)

LAGOSHA, I.; STERLIGOV, B.

Mechanized continuous sausage production line. Mias.ind. SSSR  
34 no.3:39-41 '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy i eksperimental'no-konstruktorskiy institut prodcvol'stvennogo mashinostroyeniya (for Lagosha). 2. Moskovskiy tekhnologicheskiiy institut myasnoy i molochnoy promyshlennosti (for Sterligov).



GORBATOV, Vasiliy Matveyevich; LACOSHA, Ivan Andreyevich;  
RODIN, A.I., retsenzent; PROZOROVSKIY, V.N., retsenzent;  
LAPSHIN, A.A., spets. red.; KORBUT, L.V., red.;  
NOZDRINA, V.A., red.

[Handbook of the equipment of meat industry enterprises]  
Spravochnik po oborudovaniyu predpriatii miasnoi pro-  
myshlennosti. Moskva, Pishchevaia promyshlennost'.  
Vol. 1. 1965. 578 p. (MIRA 18:6)

GORBATOV, Vasily Matveyevich; LAGOSHA, Ivan Andreyevich; RODIN,  
A.I., retsenzent; PROZOROVSKIY, V.N., retsenzent; LAPSHIN,  
A.A., spets. red.; KORBUT, L.V., red.; NOZDRINA, V.A., red.

[Handbook on the equipment of meat industry enterprises]  
Spravochnik po oborudovaniyu predpriatii miasnoi promyshlen-  
nosti. Moskva, Pishchevaia promyshlennost'. Vol.2. 1965.  
546 p. (MIRA 18:5)

PREMET, G.K.; Primal uchastiye: LAGOSHA, T.F.; OMEL'CHENKO, N.I.;  
SEMENOVA, R.A.; SPINOV, R.I.; VASILINETS, I.M.; RADIONOVA, I.A.;  
KOZULIN, N.A., prof.

Entrapping of harmful volatile substances in the manufacture  
of drying oils. Lakokras.mat.i ikh prim. no.1:65-67 '63.  
(MIRA 16:2)

(Drying oils)

SOV/68-58-11-6/25

AUTHORS: Mamchits G.I. and Lagosha ~~V.A.~~

TITLE: Experience in Utilising Refitted Jigs NIM-5 for the Beneficiation of Slurries (Opyt ispol'zovaniya pereoborudovannykh otsadochnykh mashin NIM-5 dlya obogashcheniya shlama)

PERIODICAL: Koks i Khimiya, 1958, Nr 11, pp 16-18 (USSR)

ABSTRACT: A description of the introduced modifications of a high frequency two-stage vibrational diaphragm jig NIM-5, to fit them for the beneficiation of slurries (3-0mm) is given (see Fig). Main points - feldspar bedding layer retained in position by a grate 60mm high with cells 150x150mm and in one of the side walls of each stage of the machine a piston of a cross section of 0.2m<sup>2</sup> was fitted, reciprocating with a frequency of 240min<sup>-1</sup>, the length of the stroke can be varied from 0 to 16mm. Six of these machines were put into operation on the Voroshilovsk Coking Works to deal with slurries.

Card 1/2

SOV/68-58-11-6/25

Experience in Utilising Refitted Jigs NIM-5 for the  
Beneficiation of Slurries

Qualitative indices of the operation of these machines  
are given in Table 1. The ash content of the starting  
product is decreased by 2.5-3% and the content of  
sulphur by 0.25%.

There are 2 tables and 1 figure.

ASSOCIATION: Voroshilovskiy koksokhimicheskiy zavod  
(The Voroshilovsk Coke By-Product Plant)

Card 2/2

DOLINA, L.F.; LAGOSHA, V.A.

Work practices of the flotation section at the Komsomolsk Coal Preparation Plant. Met. i gor. prom. no. 6:32-40 N-D '63.

(MIRA 18:1)

REZVUSHKIN, P.D., inzh. (g. Voronezh); LACOSHIN, P.P. (st. Tamskaya Gor'kovskoy  
dorogi); KRYUCHKOV, I.D., dorozhnyy master (st. Chad Karanskoy  
dorogi); BASISTYY, I.S., tekhnik (st. Khemil'nitskaya Yugo-Zapadnoy  
dorogi)

Letters to the editor. Put' i put.khoz. no.10:44 0 '58.  
(MIRA 11:12)

(Railroad engineering)

26

Stability of organic pigments in relation to the effect on the painted surfaces. A. P. Polozov and R. M. Lagoshina. *Mem. Ind. Chem. Tech. Acad. Sci. Ukrain. S. S. R.* No. 9, 177-207 (in Russian 207-8, in English 208-00 (1980). Paints contg. org. pigments were applied on various surfaces and their stability was observed under the effects of sunlight, ultraviolet rays, high temp., moisture, dry and moist O. Sunlight and ultraviolet rays had the greatest fading effect. The other factors produced no substantial change. B. Z. Kamich

ASD SLA METALLURGICAL LITERATURE CLASSIFICATION



LAGOSHNYAYA, R. M.

USSR/Chemistry

Card 1/1

Authors : Fedoseyev, P. N., and Lagoshnaya, R. M.

Title : Quantitative determination of sulfur in organic substances and fuel in the presence of a chromium oxide catalyst.

Periodical : Zhur. Anal. Khim. 9, Ed. 1, 37-41, Jan-Febr. 1954

Institution : A method was developed for quantitative determination of sulfur content in organic substances and fuel (inflammable sulfur). The difference between this new method and the ones described in literature is that the gaseous reaction products are collected in a closed empty vessel which eliminates losses due to escape of the vaporous sulfuric anhydride. The analysis accuracy varies between 0.1 - 0.3%. The analysis method and apparatus are simple, accessible and reliable. The described method makes it possible to analyze substances with larger and smaller sulfur contents. Nine references. Tables, drawing.

Institution : Ship Building Institute, Nikolayev

Submitted : Febr. 8, 1952

**LAGOSHNAJA, R.M.**

USSR/Chemistry - Oxide absorption

Card 1/1 : Pub. 145 - 8/14

Authors : Fedoseyev, P. N., and Lagoshnaya, R. M.

Title : Absorption of sulfur dioxide by metal oxides and silicates

Periodical : Zhur. anal. khim. 9/4, 224-228, Jul-Aug 1954

Abstract : The absorption of sulfur oxides (dioxides, trioxides), by metal oxides and silicates, was investigated. Experiments showed that solid absorption agents can be used for the analysis of organic substances containing not only C,H,O,S, but also C,H,O,S,N because the gaseous reaction products at 700 - 800° temperatures do not react with the absorbent. Best results were obtained with sodium silicate which promotes a rapid and quantitative absorption of sulfur dioxide. The substitution of expensive metallic Ag with much cheaper materials - metal oxides and silicates for organic analysis, is discussed. Five references: 3-German and 2-USSR (1847-1952). Tables, drawing.

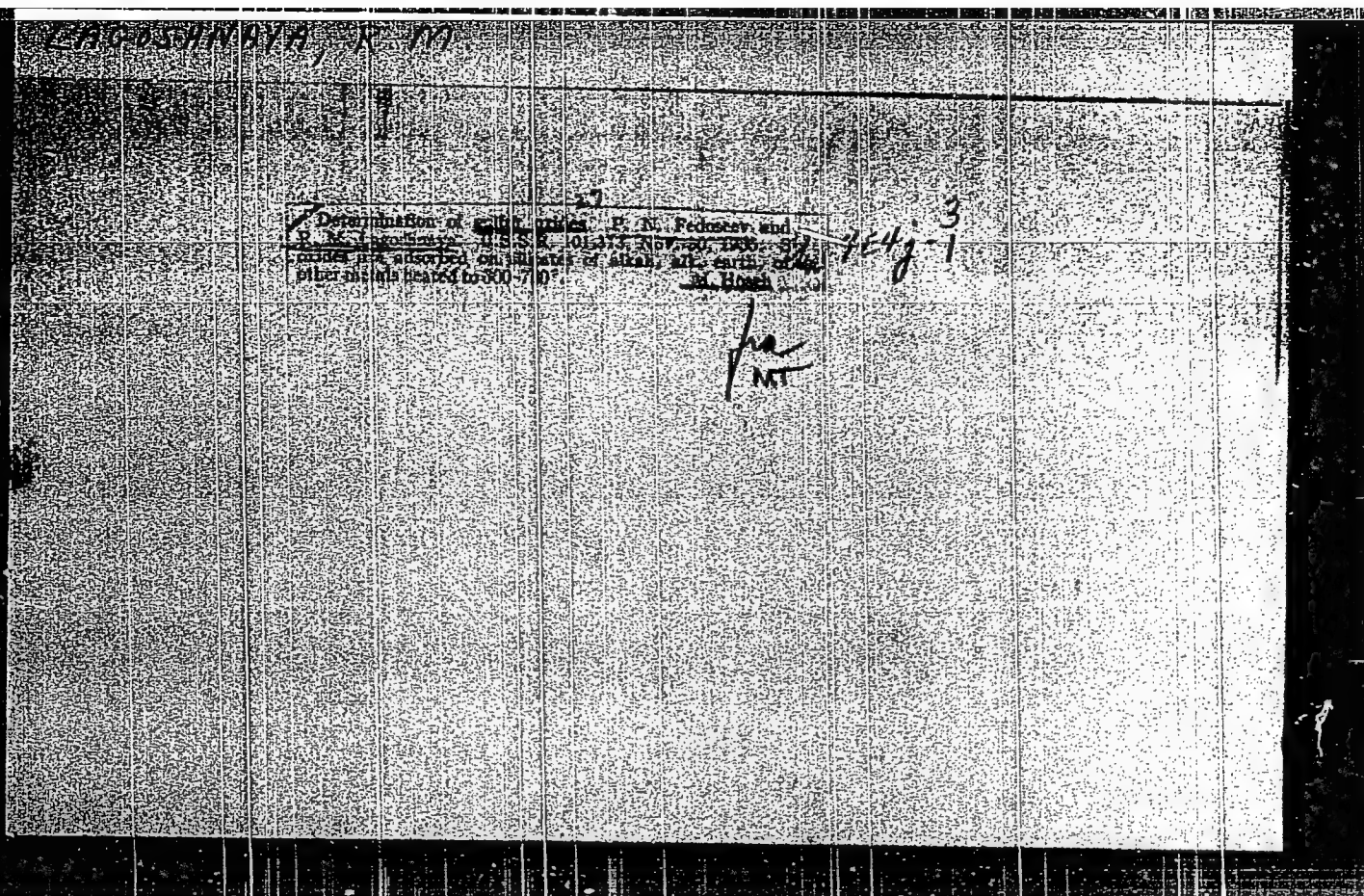
Institution : The Admiral S. O. Makarov Ship Building Institute, Nikolayev

Submitted : April 3, 1953

LAGOSHNAYA, R. M.

U.S.S.R.

Absorption of sulfur oxides by metal oxides and silicates.  
P. N. Fedosin and R. M. Lagoshnaya. *J. Appl. Chem.*  
U.S.S.R. 9, 248-52 (1955) (English translation) *See C.A.*  
48, 18531c. H. L. H.



Lagoshnaya, R. M.

FEDOSEYEV, P.N. (g. Nikolayev); LAGOSHAYA, R.M. (g. Nikolayev).

Chemist's "garden." Khim. v shkole no.6:59-61 in '55.  
(Chemistry - Experiments) (MLRA 9:1)

LAGOSHNIYA, R.M.

FEDOSEYEV, P.N.(Nikolayev); LAGOSHNIYA, R.M.(Nikolayev).

Surface flameless combustion. Khim. v shkole 12 no.1:12-15 Ja-F  
'57. (MIRA 10:3)

(Combustion)

FEDOSEYEV, P.N.; LAGOSHNYA, R.M.

New method for the quantitative determination of sulfur in  
organic substances. Izv.vys.ucheb.zav.; khim.i khim.tekh.3  
no.2:320-323 '60. (MIRA 14:6)

1. Nikolayevskiy korablestroitel'nyy institut, kafedra obshchey  
khimii.

(Sulfur—Analysis)

30592  
S/153/60/003/02/20/034  
B011/B006

5.3620  
5.5200

AUTHORS:

Fedoseyev, P. N., Lagoshnaya, R. M.

TITLE: A New Quantitative Determination Method of Sulfur in Organic Substances

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 2, pp. 320-323

TEXT: With quick volumetric methods for determining sulfur, fog-like sulfur trioxide is formed, which is not absorbable and thus distorts the analytical results. In the present paper, the authors investigated methods of destroying this fog, which forms on burning organic substances containing sulfur in a stream of  $O_2$ . They used various powdery materials. The rate of flow of  $O_2$  was 100 - 150 ml/min. Combustion products were passed through a quartz tube containing filter materials unreactive toward sulfur oxides. The following substances were tested as filter materials: the sulfates of barium, strontium, calcium, copper, manganese, as well as amorphous silic-

APPROVED FOR RELEASE: 06/20/2000



A New Quantitative Determination Method  
of Sulfur in Organic Substances

80071  
S/153/60/003/02/20/034  
B011/B006

ic anhydride, glass wadding, and pulverized quartz sand. Grain sizes of these substances ranged from 0.25 mm to 0.5 mm. In all cases, the application of these substances yielded too low values for sulfur. The authors then used substances which are not indifferent to sulfur oxides, i. e. chlorides, bromides, and iodides of several alkali- and alkaline-earth metals. By reacting with sulfur oxides, an equivalent amount of hydrogen halide was formed, which was easily determined volumetrically. The best results were obtained with barium chloride, whilst those obtained by using various other metal halides were not quantitative. Basing on results obtained, the authors developed new methods for the quantitative determination of sulfur in compounds containing neither nitrogen nor halogen. The apparatus used for this purpose is shown in the figure on p. 321. The analytical procedure is described. The substance to be analyzed is put in a quartz boat and covered with chromium oxide. The rate of flow of the  $O_2$  current must not exceed 100 ml/min. The combustion gases are passed through tubes filled with  $BaCl_2$  and absorbed in an absorber containing 3% hydrogen peroxide. The sulfur contained in the peroxide solution and in the wash

Card 2/4

A New Quantitative Determination Method  
of Sulfur in Organic Substances .

S/153/60/003/02/20/034  
B011/B006

water used for rinsing the absorber and adapter is determined by titration with 0.1 N alkali solution. The sulfur content is found with the aid of

the formula  $S = \frac{V.N.E.}{a.1000} \cdot 100\%$ , where v denotes the alkali volume required

for titration (in ml), N the normality of the alkali solution, E the gram-equivalent of sulfur, and a , the weighed portion of the organic substance. The analysis takes 45 - 60 min. The Table on p 322 shows the analytical results obtained in the analysis of sulfosalicylic acid, bis-(1,1-dimethyl-4-penten-3-one) sulfide, diethyl sulfone dimethyl methane, ditolyl sulfide, sulfur, coal No. 1 - 4, and rubber No. 1 - 4. The authors proved the applicability of this method for determining combustible sulfur in different types of coal, as well as the total sulfur in rubber (Table). The rubber may not contain alkali- or alkaline-earth metals. Small quantities of zinc do not influence the results. The method is accurate to about  $\pm 0.2 - 0.3\%$ . There are 1 figure, 1 table, and 14 references, 6 of which are Soviet.

Card 3/4

A New Quantitative Determination Method  
of Sulfur in Organic Substances

30177  
S/153/60/003/02/20/034  
B011/B006

ASSOCIATION: Nikolayevskiy korablestroitel'nyy institut; Kafedra  
obshchey khimii (Nikolayev Ship-building Institute, Chair  
of General Chemistry)

SUBMITTED: July 2, 1958

✓

Card 4/4

1ST AND 2ND SERIES										3RD AND 4TH SERIES									
PROCESSES AND PROPERTIES INDEX																			
<p>CA</p> <p>Saving alkali in mercerization. A. F. Lagov. <i>Khimiya i Tekhnologiya Tsellyulozy i Papera</i> 10, 57(1940); <i>Chem. Zvesti.</i> 1941, 1, 470.—The results of practical experience are reported. M. G. Moore</p> <p>25</p>																			
ASAC-114 METALLURGICAL LITERATURE CLASSIFICATION										LEFT COLUMN									
SECOND COLUMN										THIRD COLUMN									
1ST AND 2ND SERIES										3RD AND 4TH SERIES									

*Cd*

25

Methods of giving to cotton some properties of wool.  
A. Lagov. *Tekstil. Prom.* 1941, No. 2, 49-51; *Chem. Zvezdy*, 1942, II, 2220-1.—Eight kg. of mercerized cotton was wetted with neutral Kontakt soln., treated with NaOH, converted to cloth and then made into suits. The suits looked like woollen suits and after 2 year's wear they were still in excellent condition. The expts. are described in detail and the results obtained are shown in 4 tables and 2 drawings.  
Leopold Scheffan

ASO-SLA METALLURGICAL LITERATURE CLASSIFICATION

LAGOV, Aleksey Fedorovich; ROGOVA, I.V., redaktor; KOPELEVICH, Ye.I.  
redaktor; NEKRASOVA, O.I., tekhnicheskiiy redaktor.

[The care of clothes, fabrics and footwear; practical hints for the  
home] Ukhod za odeshdoi, tkaniami i obuv'iu; prakticheskie sovety  
dlia domashnego obikhoda. Pod red. I.V.Rogovoi. Moskva, Gos. nauchno-  
tekhnicheskoe izdatel'stvo Ministerstva tekstil'noi promyshl. ESSR,  
1955. 35 p. (Home economics) (MIRA 9:5)

LAGOV, A.F.

Reducing waste in silk and rayon finishing mills. Tekst.prom.  
16 no.9:4-6 S '56. (MLRA 9:12)  
(Silk manufacture) (Rayon) (Textile finishing)

LAGOV, A.F.

Using artificial furs instead of natural in shuttles. Bul.  
tekh.-ekon.inform. no.11:55 ' 58. (MIRA 11:12)  
(Looms)



LAGOV, A.F., starshiy nauchnyy sotrudnik

~~\_\_\_\_\_~~  
Nape on paper. Nauka i zhizn' 25 no. 6:67-68 Je '58. (MIRA 11:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut shelkovoy  
promyshlennosti.

(Finishes and finishing)

LAGOV, A., inzh.-khimik

What one should know about new fabrics. Rabotnitsa 37 no.11:30  
N '59. (MIRA 13:2)

(Synthetic fabrics)

LAGOV, I.A.

Some ecologico-biological characteristics of different forms  
of *Larix sibirica* Ldb. Bot.zhur. 44 no.9:1347-1351 S '59.  
(MIRA 13:2)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo  
khozyaystva, g.Alma-Ata.  
(Marka-kul' Region--Larch)  
(Kara-Kaba Valley--Larch)

LAGOVA, N.D.

USSR/Medicine - Cells, Physiology Apr 49  
Medicine - Nucleins

"The Interrelation of Nucleic Acids During Mitosis in an Organism's Process of Development," L. B. Levinson, N. D. Lagova, Inst of Zool, Moscow State U imeni M. V. Lomonosov, 4 pp

"Dok Ak Nauk SSSR" Vol LIV, No 4

Attempts to: (1) Trace the interrelation of both nucleic acids (ribo- and thymo-) of the cell during mitosis at different stages of ontogenetic development of the organism. (2) Clarify the similarity and difference of nucleic acid

41/49752

USSR/Medicine - Cells, Physiology Apr 49  
(Contd)

exchange during cell division of the same tissue in animals of different systematic positions.  
(3) Establish whether types of nucleic acid interrelations during mitosis established previously extend to all types of tissue. Submitted by Acad A. I. Oparin, 3 Feb 49.

PA 41/49752

41/49752

LAGOVA, N. D.

LAGOVA, N. D.

"A Comparative Histological Study of the Skin Cover of Cattle and Sheep Embryos." Cand Biol Sci, All-Union Sci-Res Inst of Animal Husbandry, Moscow, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

COUNTRY : USSR  
 CATEGORY : Farm Animals.  
 Small Horned Cattle.  
 ABS. JOUR. : RZhBiol., No. 3, 1959, No. 12018  
 AUTHOR : Lagova, N. D.  
 INST. : Institute of Animal Morphology AS USSR  
 TITLE : Skin Histogenesis in Embryos of Karakul Sheep.

ORIG. PUB. : Tr. In-ta morfol. zhivotnykh AN SSSR, 1957,  
 vyp. 19, 31-38

ABSTRACT : The skins of 9 Karakul sheep embryos of various  
 ages were examined. It was determined that 3  
 stages can be observed in the course of the  
 embryo skin's development. At the first stage  
 (first 2 months of embryonal development),  
 almost imperceptible morphological processes  
 of differentiation take place in the epidermis  
 and the connective-tissue part of the skin.  
 At the 2nd stage, corium layers become separat-  
 ed and fully formed, creating complicated bind-

CARD:

1/2

41

COUNTRY : USSR  
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : ing clusters of collagen fibers, hair roots form as well as fat and sweat glands. This stage terminates at the end of the 4th month. At the 3rd stage, the depth at which the hair roots lay, becomes deeper, the size of the secretory sections of glands larger, the diameter of the collagen fibers cluster and the thickness of the entire skin increase.  
-- A. D. Musin

Card:

2/2

LAGOVA, N.D.

Hormone therapy of cancer of the mammary glands. Probl. endok. i gorm.  
6 no. 5:3-6 '60. (MIRA 14:1)

(BREAST—CANCER) (HORMONE THERAPY)



KONOPLEV, V.P.; LAGOVA, N.D.

Characteristics of transplantable carcinoma of the rat mammary gland.  
Biul. eksp. biol. i med. 50 no.7:79-81 JI '60. (MIRA 14:5)

1. Iz laboratorii eksperimental'noy gormonoterapii (zav. - kandidat biologicheskikh nauk N.I.Lazarev) Instituta eksperimental'noy i klinicheskoy onkologii (dir. - deystvitel'nyy chlen AMN SSSR N.N. Blokhin) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR A.D.Timofeyevskim.  
(BREAST—CANCER) (CARCINOMA)

LAGOVA, N.D.; KONOPL'EV, V.P. (Moskva)

Morphological changes in transplanted cancer of the mammary glands on rats after hormone therapy. Arkh. pat. 10:38-44  
162. (MIRA 17:1)

1. Iz laboratorii eksperimental'noy gormonoterapii (zav. -  
kand. biolog. nauk N.I. Lazarev) Instituta eksperimental'-  
noy i klinicheskoy onkologii AMN SSSR (dir. - deystvitel'nyy  
chlen AMN SSSR prof. N.N. Blokhin).

LAGOVA, N.D.

Change in the reactivity of transplanted rat mammary cancer  
(RMK-1) in relation to the action of hormones. Biul. eksp. biol.  
i med. 53 no.5:108-111 My '62. (MIRA 15:7)

1. Iz laboratorii eksperimental'noy gormonoterapii (zav. -  
kand. biologicheskikh nauk N.I. Lazarev) Instituta eksperi-  
mental'noy i klinicheskoy onkologii (dir. - deystvitel'nyy  
chlen AMN SSSR N.N. Blokhin) AMN SSSR, Moskva. Predstavlena  
deystvitel'nyy chlenom AMN SSSR A.D. Timofeyevskim.  
(HORMONE THERAPY) (BREAST—CANCER)

LAZAREV, N.I.; LAGOVA, N.D.

Hormones and cancer. Vest. AMN SSSR 18 no.3:43-49 '63.  
(MIRA 17:10)

KONOPLEV, V.P.; LAGOVA, N.D.

Morphological changes in rat mammary cancer (RMK-1) following multiple inoculations. Biul. eksp. biol. i med. 55 no.4:91-94 (MIRA 17:10)  
Ap '63.

1. Iz laboratorii eksperimental'noy gormonoterapii (zav. - kand. biolog. nauk N.I. Lazarev) Instituta eksperimental'noy i klinicheskoy onkologii (dir. - deystvitel'nyy chlen AMN SSSR N.N. Blokhin) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR L.M. Shabadom.

LAGOVA, N.D.

Mechanism of the antineoplastic action of Thio-TEPA in combination with estrogens in mammary gland cancer in rats. Biul. eksp. biol. i med. 57 no. 5: 70-73 My '64. (MIRA 18:2)

1. Laboratoriya eksperimental'noy gormonoterapii (zav. - kand. biolog nauk N.I. Lazarev) Instituta eksperimental'noy i klinicheskoy onkologii (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin) AMN SSSR, Moskva. Submitted March 14, 1963.

ACC NR: AR6036312 SOURCE CODE: UR/0273/66/000/009/0033/0033

AUTHOR: Leybzon, Z. I.; Deryugin, P. Ye.; Lagover, A. M.

TITLE: Effect of temperature and air humidity on the efficiency characteristics of the YaMZ-238NB diesel engine

SOURCE: Ref. zh. Dvigateli vnutrennogo sgoraniya, Abs. 9.39.218

REF SOURCE: Tr. Tsentr. n. -i. avtomob. i avtomotorn. in-ta, vyp. 83, 1966, 23-32

TOPIC TAGS: diesel engine, fuel consumption, tropic vehicle, turbosupercharged engine/YaMZ 238NB diesel engine

ABSTRACT: The results are presented of an investigation of the performance of a YaMZ-238NB diesel engine with a turbocharger in a tropical chamber. The drop in engine power caused by raised air temperatures resulted in a higher per-unit fuel consumption, notwithstanding the resultant power fuel feed cycle. At 1700 rpm with a full fuel feed and with a temperature increase from 16.8 to 66.1 degrees,  $g_e$  increased from 179 to 193 gram per horsepower-hour. The reduction of excess air factor due to less air in the charge of the cylinders on the

Card 1/2

UDC: 621.436.001.4

ACC NR: AR6036312

one hand and the hourly fuel consumption on the other are the main reasons for power loss and lower engine efficiency, respectively. Both the smoke point and the temperature of exhaust gases are at an increased level. Tests also established that increased relative humidity within specific limits decreases the level of the drop in pressure feed with increasing revolutions of the crank shaft. With an increase in relative humidity from 20 to 80%, the pressure drop at the compressor outlet was 8.5% at 1100 rpm, 6.2% at 1300 rpm, 3.8% at 1500 rpm, and 1.6% at 1700 rpm. The deterioration of performance caused by increased relative humidity at all operating speeds led to a higher smoke point of exhaust gases, a considerable drop in their temperature, a drop in engine power, and an increase in per-unit fuel consumption.

[KP]

SUB CODE: 21/

Card 2/2



LAGOVSKAYA, G.A., KRASIL'NIKOVA, Ye.N.

Traffic injuries to children in Novosibirsk. Ortop.travm. i protez.  
19 no.3:49-50 My-Je '58 (MIRA 11:7)

1. Iz Novosibirskogo nachno-issledovatel'skogo instituta travmatologii  
i ortopedii (dir. - dots. D.P. Metelkin).  
(ACCIDENTS, TRAFFIC, prev. & control  
in infant and child. (Rus))

*L. A. GOVSKAYA, M. S.*

PHASE I BOOK EXPLOITATION

935

Korroziya i zashchita metallov (Corrosion and Protection of Metals) Moscow, Oborongiz, 1957. 366 p. 3,000 copies printed.

Ed. (title page): Ambartsumyan, R. S., Doctor of Technical Sciences, Professor;  
Ed. (inside book): Lagovskaya, M. S.; Tech. Ed.: Rozhin, V. P.; Managing  
Ed.: Latynin, Ye. V.

PURPOSE: This book is intended for engineering, technical, and scientific personnel at industrial plants, research institutes, and design offices working in the field of corrosion-protection of stainless steel, high-strength structural steel, and light alloys.

COVERAGE: The book contains a collection of articles which deal with the corrosion and passivity of metals in various oxidizing media, corrosion of high-strength steels under tension, corrosive cracking, intergranular corrosion and pitting of aluminum alloys, and with certain questions of the anodic oxidation of these alloys. Articles on the corrosive cracking of magnesium alloys and means of protection against it are also included.

Card 1/4

Corrosion and Protection of Metals

935

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Card 2/4

Corrosion and Protection of Metals

935

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